

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A carbon nanotube dispersed composite material wherein long-chain carbon nanotubes are dispersed and integrated in the form of network into a discharge plasma sintered body ~~composed of~~ comprising a ceramics (but excluding alumina) powder or a metal (but excluding aluminum or its alloy) powder.

Claim 2 (Original): A carbon nanotube dispersed composite material wherein long-chain carbon nanotubes are dispersed and integrated in the form of network into a discharge plasma sintered body composed of a mixed powder of ceramics and metal.

Claim 3 (Currently Amended): The carbon nanotube dispersed composite material according to Claim 1 ~~or 2~~, wherein the plasma sintered body comprises a ceramics powder and wherein the ceramics powder has an average particle size of 10  $\mu\text{m}$  or less ~~and the metal powder has an average particle size of 200  $\mu\text{m}$  or less.~~

Claim 4 (Currently Amended): The carbon nanotube dispersed composite material according to Claim 1 ~~or 2~~, wherein the content of carbon nanotubes is 90 wt% or less by weight ratio.

Claim 5 (Currently Amended): The carbon nanotube dispersed composite material according to Claim 1 ~~or 2~~, wherein the discharge plasma sintered body comprises a ceramics powder and wherein the ceramics powder is ~~composed~~ comprises at least one material

selected from the group consisting of ~~of one or more of~~ alumina, zirconia, aluminum nitride, silicon carbide and silicon nitride.

Claim 6 (Currently Amended): The carbon nanotube dispersed composite material according to Claim 1 ~~or 2~~, wherein the discharge plasma sintered body comprises a metal powder, and wherein the metal powder comprises at least one metal compound selected from the group consisting of ~~is composed of one or more of~~ pure aluminum, aluminum alloy, titanium, copper, copper alloy and stainless steel.

Claim 7 (Currently Amended): A method of producing a carbon nanotube dispersed composite material comprising ~~a process of~~ kneading and dispersing a ceramics (but excluding alumina) powder or metal (but excluding aluminum and its alloy) powder and long-chain carbon nanotubes in an amount of 10 wt% or less by a ball mill, and ~~a process of~~ sintering the dispersed material by discharge plasma, thereby forming the carbon nanotube dispersed composite material.

Claim 8 (Currently Amended): A method of producing a carbon nanotube dispersed composite material comprising ~~a process of~~ kneading and dispersing, by a ball mill, a ceramics (but excluding alumina) powder or metal (but excluding aluminum and its alloy) powder and long-chain carbon nanotubes in an amount of 10 wt% or less previously treated by discharge plasma, and ~~a process of~~ sintering the dispersed material by discharge plasma, thereby forming the carbon nanotube dispersed composite material.

Claim 9 (Currently Amended): A method of producing a carbon nanotube dispersed composite material comprising ~~a process of~~ kneading and dispersing a mixed powder of ceramics and metal and long-chain carbon nanotubes in an amount of 10 wt% or less by a ball mill, and ~~a process of~~ sintering the dispersed material by discharge plasma, thereby forming the carbon nanotube dispersed composite material.

Claim 10 (Currently Amended): A method of producing a carbon nanotube dispersed composite material comprising ~~a process of~~ kneading and dispersing, by a ball mill, a mixed powder of ceramics and metal and long-chain carbon nanotubes in an amount of 10 wt% or less previously treated by discharge plasma, and ~~a process of~~ sintering the dispersed material by discharge plasma, thereby producing the carbon nanotube dispersed composite material.

Claim 11 (Currently Amended): A method of producing a carbon nanotube dispersed composite material comprising ~~a process of~~ kneading and dispersing a ceramics (but excluding alumina) powder or metal (but excluding aluminum and its alloy) powder and long-chain carbon nanotubes by a ball mill, ~~a process of~~ wet-dispersing said powder and carbon nanotubes using a dispersing agent, and ~~a process of~~ sintering the dried knead-dispersed material by discharge plasma.

Claim 12 (Currently Amended): A method of producing a carbon nanotube dispersed composite material comprising ~~a process of~~ kneading and dispersing, by a ball mill, a ceramics (but excluding alumina) powder or metal (but excluding aluminum and its alloy) powder and long-chain carbon nanotubes previously treated by discharge plasma, ~~a process of~~ wet-dispersing said powder and carbon nanotubes using a dispersing agent, and ~~a process of~~

of sintering the dried knead-dispersed material by discharge plasma, thereby producing the carbon nanotube dispersed composite material.

Claim 13 (Currently Amended): A method of producing a carbon nanotube dispersed composite material comprising ~~a process of~~ kneading and dispersing a mixed powder of ceramics and metal and long-chain carbon nanotubes by a ball mill, ~~a process of~~ wet-dispersing said powder and carbon nanotubes using a dispersing agent, and ~~a process of~~ sintering the dried knead-dispersed material by discharge plasma, thereby producing a carbon nanotube dispersed composite material.

Claim 14 (Currently Amended): A method of producing a carbon nanotube dispersed composite material comprising ~~a process of~~ kneading and dispersing, by a ball mill, a mixed powder of ceramics and metal and long-chain carbon nanotubes previously treated by discharge plasma, ~~a process of~~ wet-dispersing said powder and carbon nanotubes using a dispersing agent, and ~~a process of~~ sintering the dried knead-dispersed material by discharge plasma.

Claim 15 (Currently Amended): The method of producing a carbon nanotube dispersed composite material according Claim 7 ~~to any one of Claims 7 to 10~~, wherein the ~~process of~~ sintering the knead-dispersed material by discharge plasma ~~includes~~ comprises two steps of carrying out plasma discharge at low temperature under low pressure and then carrying out sintering by discharge plasma at low temperature under high pressure.

Claim 16 (Currently Amended): A heat exchanger ~~formed of~~ comprising a carbon nanotube dispersed composite material ~~having~~ comprising heat conductivity and high strength, wherein long-chain carbon nanotubes are dispersed and integrated in the form of a network into a discharge plasma sintered body ~~composed of~~ comprising a ceramics (but excluding alumina) powder or metal (but excluding aluminum and its alloy) powder.

Claim 17 (Currently Amended): A heat exchanger ~~formed of~~ comprising a carbon nanotube dispersed composite material ~~having~~ comprising heat conductivity and high strength, wherein long-chain carbon nanotubes are dispersed and integrated in the form of a network into a discharge plasma sintered body ~~composed of~~ comprising a mixed powder of ceramics and metal.

Claim 18 (New): The carbon nanotube dispersed composite material according to Claim 2, wherein the metal powder, of the mixed powder, has an average particle size of 200  $\mu\text{m}$  or less.

Claim 19 (New): The carbon nanotube dispersed composite material according to Claim 2, wherein the ceramics powder, of the mixed powder, has an average particle size of 10  $\mu\text{m}$  or less.

Claim 20 (New): The carbon nanotube dispersed composite material according to Claim 2, wherein the content of carbon nanotubes is 90 wt% or less by weight ratio.